

**Notice of Allowability**

Application No.

10/670,753

Applicant(s)

IVANOVIC ET AL.

Examiner

TuyetLien (Lien) T. Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37.CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 10/13/06.
2. ☒ The allowed claim(s) is/are 1,2,5-10,12-18,20-21,23-26,28,31,32,35-37,39 and 41-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 12/5/06.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

BA HUYNH  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Hunaid Basrai on 12/5/2006.

The application has been amended as follows:

1. (Currently amended) In a computer system with a display on which icons that are associated with nodes are provided and in which a user may select a node for expansion, a method for providing an indication to the user that the processing of the expansion of a node is occurring, the method comprising:

providing an icon overlay over an icon representing a node once a node is selected by the user for expansion to provide an indication to the user that the node is selected for expansion, wherein the user selects the node for expansion by selecting a plus-sign element that is associated with the icon representing the node and wherein the node is represented as part of a tree view on the display; and

moving the icon overlay between a plurality of positions at selected time intervals so as to provide an indication to the user that the processing of the expansion of the node is occurring.

3. (Canceled).

4. (Canceled).

5. (Currently amended) The method of Claim [[4]] 1, wherein the processing of the expansion of the node comprises completing an enumeration that includes sub-items that are to be inserted into the tree view below the node.

7. (Currently amended) The method of Claim 1, wherein a second icon overlay is provided over a second icon representing a second node once an associated second node is selected for expansion by a user to indicate to the user that the expansion of the second node is occurring while the expansion of the first node is still being processed.

8. (Currently amended) A system for providing an indication to a user that processing of the expansion of a node is occurring, the system comprising:  
a computing device having a processor and a memory;  
a display device communicatively coupled to the computing device;  
wherein icons are provided on the display device as part of a tree view to represent nodes, and once a user selects a node for expansion by the user selecting a plus-sign element that is associated with the icon for the node, the icon that is associated with the node is overlaid by a moving element wherein the moving element is moved at selected intervals which provides an indication to the user that processing of the expansion of the node is occurring.

11. (Canceled).

12. (Currently amended) The system of Claim [[11]] 8, wherein when the node is expanded, [[the]] representative icons of the sub-items for the node are displayed in the tree view below the icon that is associated with the node.

13. (Currently amended) The system of Claim 8, wherein [[a]] the node is a folder, a computer, or a network domain.

15. (Currently amended) In a computer system with a display, wherein icons on the display represent nodes that can be selected for expansion by a user, a method for

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indicating that processing of the expansion of a node is occurring, the method comprising:

providing an icon overlay over the icon of the node that has been selected by the user to be expanded, the user selecting a node to be expanded by selecting a plus-sign element that is associated with the icon of the node; and

moving the icon overlay to different positions while processing is continuing to occur with regard to the expansion of the node, wherein the node is represented as part of a tree view on the display.

19. (Canceled).

20. (Currently amended) The method of Claim 15, wherein if a user selects a second node for expansion while the expansion of the first node is still being processed, then a second icon overlay is provided ~~for the second icon~~ over an icon representing the second node.

21. (Currently amended) A computer-readable storage medium having computer-executable components for providing an indication to a user that processing of an expansion of a first node is occurring, the computer-readable storage medium comprising:

an icon component for providing an icon, the icon representing the first node selected to be expanded by a user selecting a plus-sign element that is associated with the icon representing the first node ~~by a user~~ ; and

an icon overlay component for providing an icon overlay moved between a plurality of positions at selected time intervals, the icon overlay over the icon representing the first node being provided while the expansion of the first node is being processed, wherein the first node is represented as part of a tree view on a display.

22. (Canceled).

23. (Currently amended) The computer-readable storage medium of Claim ~~[[22]]~~ 21, wherein the selected time intervals are determined according to a timer.

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24. (Currently amended) The computer-readable storage medium of Claim 21, wherein if a user selects a second node to be expanded, the second node is also provided with an icon overlay over the icon representing the second node while the expansion of the first node is being processed.

25. (Currently amended) The computer-readable storage medium of Claim 24, wherein the ~~first and second nodes are~~ is also represented as part of a tree view on the display.

26. (Currently amended) In a computer system with a display, a method for providing an indication to a user that processing of an expansion of a node is occurring, the method comprising:

providing an icon overlay over an icon representing a node on the display to indicate that processing of the expansion of the node is occurring after a user has selected [[a]] the node to be expanded by selecting a plus-sign element that is associated with the icon that represents the node wherein the node is represented as part of a tree view on the display and wherein the icon overlay is moved at selected time intervals; and removing the icon overlay once the processing is completed.

27. (Canceled).

28. (Currently amended) The method of Claim ~~[[27]]~~ 26, wherein the selected intervals are determined by a timer.

29. (Canceled).

30. (Canceled).

31. (Currently amended) In a computer system, a method for providing an indication that processing of the expansion of a node is occurring, the method comprising:

providing a processing indicator on the display to indicate that processing of the expansion of a node is occurring, wherein the processing indicator comprises an icon

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overlay over an icon representing the node and wherein the expansion of the node occurs by a user selecting a plus-sign element that is associated with the icon that represents the node and wherein the node is represented as part of a tree view on the display; and

after specified time intervals, moving the processing indicator to different positions to indicate that the processing is still occurring.

33. (Canceled).

34. (Canceled).

35. (Currently amended) The method of Claim [[34]] 31, wherein the expansion of the node comprises displaying sub-items of the node in the tree view below the node.

37. (Currently amended) A computer-readable storage medium having computer-executable components for providing an indication on a display that processing of the expansion of a node is occurring, the computer-readable storage medium comprising:

a processing indicator component for providing an indication on the display that the node is selected for expansion, wherein the processing indicator component comprises an icon overlay over an icon representing the node and wherein the node is represented as part of a tree view on the display;

a timer component; and

wherein after a user selects a node to be expanded by selecting a plus-sign element that is associated with the icon that represents the node, the processing indicator component is moved at specified intervals as determined by the timer component, the movement of the processing indicator component providing an indication that the expansion of the node is being processed.

38. (Canceled).

39. (Currently amended) The computer-readable storage medium of Claim 38, wherein the icon overlay is provided in the form of a magnifying glass.

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40. (Canceled).

41. (Currently amended) The computer-readable storage medium of Claim [[40]] 37, wherein the expansion of the node comprises displaying sub-items of the node in the tree view.

42. (Currently amended) The computer-readable storage medium of Claim 41, wherein multiple nodes can be selected by a user to be expanded, and an icon overlay over an icon representing a node is provided for each of the selected nodes while each of their respective expansions are being processed.

43. (Currently amended) The computer-readable storage medium of Claim 42, wherein once the processing is completed for the expansion of a node, the sub-items of the node will be inserted into the tree view while the remaining nodes for which processing continues will continue to have their respective icon overlays.

***Allowable Subject Matter***

2. Claims 1-2, 5-10, 12-18, 20-21, 23-26, 28, 31-32, 35-37, 39, and 41-43 are allowed.

The following is an examiner's statement of reasons for allowance:

Independent claims 1, 8, 15, 21, 26, 31, and 37, when considered as a whole, are allowable over the prior art of record. Specifically, prior art of record fail to clearly teach or fairly suggest the limitations "providing an icon overlay over an icon representing a node once a node is selected by the user for expansion to provide an indication to the user that the node is selected for expansion, wherein the user selects the node for expansion by selecting a plus-sign element that is associated with the icon representing the node and wherein the node is represented as part of a tree view on the display; and moving the icon overlay

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between a plurality of positions at selected time intervals so as to provide an indication to the user that the processing of the expansion of the node is occurring." The dependent claims further add limitations to the allowable subject matter of the corresponding independent claims; thus are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TuyetLien (Lien) T. Tran whose telephone number is 571-270-1033. The examiner can normally be reached on Mon-Friday: 7:30 - 5:00, off on alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

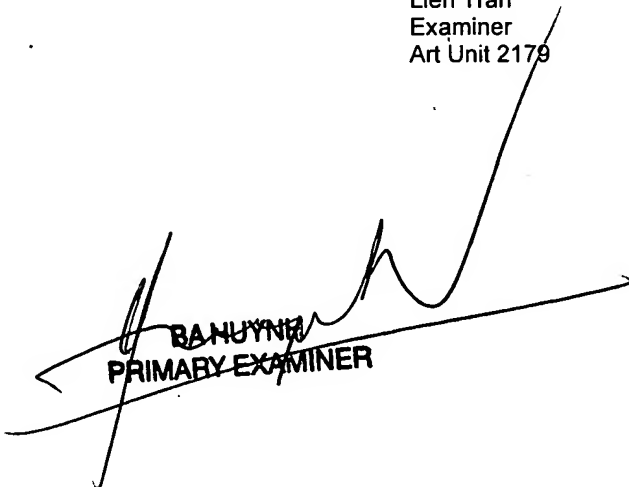


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.T  
12/06/2006

Lien Tran  
Examiner  
Art Unit 2179

  
**RANUYNE**  
**PRIMARY EXAMINER**